



Natural Gas Backup Systems for the Glass Industry

# glasstec

INTERNATIONAL TRADE FAIR FOR GLASS PRODUCTION • PROCESSING • PRODUCTS

21-24 OCTOBER 2014 DÜSSELDORF, GERMANY





Natural Gas Backup Systems for the Glass Industry

# Natural Gas Backup Systems Natural Gas Standby Systems Natural Gas PeakShave Systems

# Float Glass – Container Glass Fiber Glass – Ceramics





Natural Gas Backup Systems for the Glass Industry

# Produce Natural Gas Replacement when Supply is interrupted.

Produce Natural Gas Replacement when Supply is less than Demand.

Produce Natural Gas Replacement when Pressure is too low.





Natural Gas Backup Systems for the Glass Industry

## **BENEFITS**

- Directly compatible with Natural Gas
- No Equipment Changeover
- No Production Interruption
- Local Fuel Storage
- Environmentally Friendly
- Automatic Operation





Natural Gas Backup Systems for the Glass Industry

# **Typical System Configuration:**

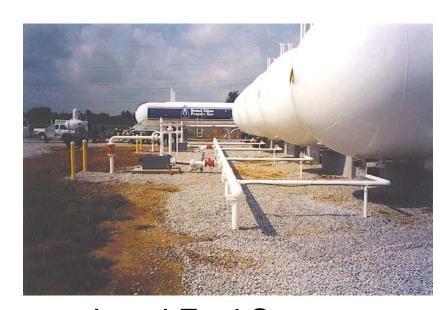
- Local Fuel Storage
- LP Vaporizer
- LP Vapor / Air Blender
- Automatic Gas Properties Control
- Control and Monitoring Equipment







# **Typical System Components**



Local Fuel Storage



Liquid Transfer Pumps





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# **Typical System Components**



Vaporizer



LP-Vapor / Air Blender





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# **Examples:**



Installation at a Fiber Glass Plant

Standby System at a Fiber Glass Plant

Storage Tanks

Compressor

-Vaporizer

LP/Air Blender

Transfer Pumps





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# **Examples:**



Standby System at a Float Glass Plant

LP/Air Blender

Vaporizer

Installation at a Float Glass Plant





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# **Examples:**



Installation at a Ceramics Plant

Standby System at a Ceramics Plant

LP/Air Blender

Vaporizer

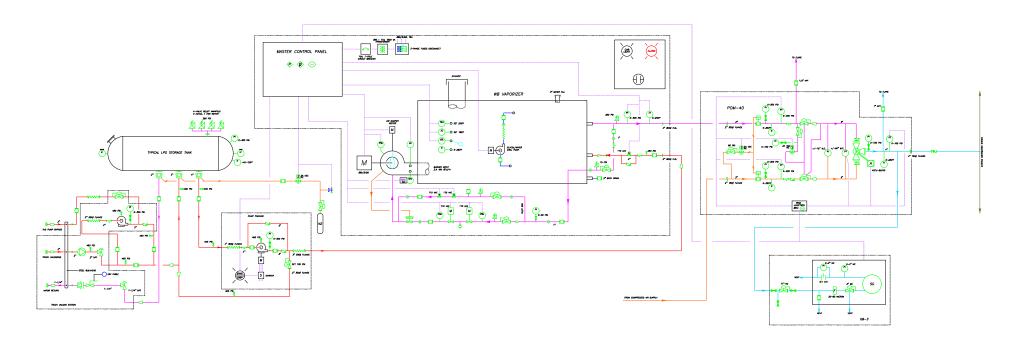
NatGas Tie-In





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# **Examples:**



Piping & Instrumentation Diagram





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# Some of Our Glass Plant Installations



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# Visit the AES Web Site for detailed Product Information.



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